

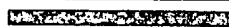



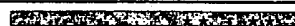






Exhibit 2:
Alignment of SEQ ID NO:2 with C-type Lectin Domains

rat MBP	K F F V T N H E R M P F S K V K A L C S E L R G T V A I P R N	
	  	
human E-selectin	W S Y N T S T E A M T Y D E A S A Y C Q Q R Y T H L V A I Q N	
rat ML	S C Y W F S Q S G K P W P E A D K Y C Q L E N S N L V V V N S	
SEQ ID NO:2	V I Y F H D T S R R L N F E E A K E A C R R D G G Q L V S I E S	
	44	75
rat MBP	A E E N K A I Q E V A K T S A F L G I T D E V T E G Q F	
	  	
human E-selectin	K E E I E Y L N S I L S Y S P S Y Y W I G I R K V N N V W	
rat ML	L A E Q N F L Q T H M G S V V T W I G L T D Q N G P W	
SEQ ID NO:2	E D E Q K L I E K F I E N L L P S D G D F W I G L R R R E E K Q S N S T A C Q D L Y	
	76	117
rat MBP	M Y V T G G R L T Y S N W K K D E P N D H G S G E D C	
	 ** 	
human E-selectin	V W V G T Q K P L T E E A K N W A P G E P N N R Q K D E D C	
rat ML	R W V D G T D Y E K G F T H W A P K Q P D N W Y G H G L G G G E D C	
SEQ ID NO:2	A W T D G S I S Q F R N W Y V D E P S C G S E V C	
	118	142
rat MBP	V T I V D N G L W N D I S C Q A S H T A V C E F P	
	  	
human E-selectin	V E I Y I K R E K D V G M W N D E R C S K K K L A L C Y T A	
rat ML	A H F T S D G R W N D D V C Q R P Y R W V C E M K	
SEQ ID NO:2	V V M Y H Q P S A P A G I G G P Y M F Q W N D D R C N M K N N F I C K Y S	
	143	179

This Exhibit is based on Figure 1 of Exhibit 1: Bajorath, J., 1996, "A molecular model of the carbohydrate recognition domain of a rat macrophage lectin and analysis of its binding site", *Journal of Molecular Graphics* 14: 297-301.

MBP: mannose-binding protein; ML: macrophage lectin.

Residues in boldface correspond to boxed residues in Figure 1 of Exhibit 1 (Bajorath, 1996, *Journal of Molecular Graphics* 14: 297-301), and represent residues thought to be determinants of the C-type lectin fold.

Horizontal shaded bars indicate the structurally conserved regions in MBP and E-selectin.

Regions labeled $\alpha 1$ - $\alpha 2$ and $\beta 1$ - $\beta 6$ are major secondary structure elements in E-selectin.

Double asterisks indicate the functional calcium-binding site of MBP.

The residue numbering shown below each set of sequences is that of SEQ ID NO:2.